

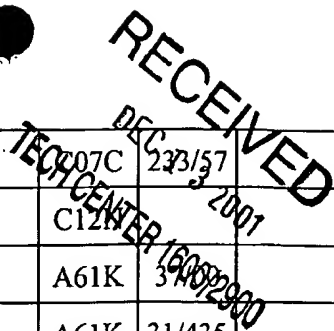
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	APPLICANT(S): Pospisilik, et al.	
	FILING DATE: 08/17/2001	ART UNIT 1631

## UNITED STATES PATENT DOCUMENTS

EXAM. INITIAL		DOCUMENT NUMBER	DATE	NAME	CLAS S	SUB CLAS S	FIL. DATE IF APPR
mm	AA	2,961,377	11-1960	Shapiro et al.	167	65	
	AB	3,960,949	6-1976	Ahrens et al.	260	564 B	
	AC	5,433,955	7-1995	Bredchorst et al.	424	94.3	
	AD	5,614,379	3-1997	MacKellar	435	68.1	
	AE	5,624,894	4-1997	Bodor	514	2	
	AF	4,935,493	6-1990	Bachovchin et al.	530	331	
	AG	5,512,549	4-1996	Chen et al.	514	12	
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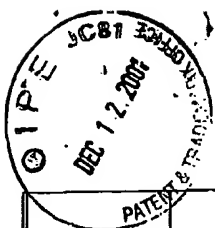
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	BD	FR 2085665 ✓	3-3-71	France	A61K	27/00	
	BE	WO 97/40832 ✓	11/6/97	WO	A61K	31/425	
mm	BF	WO 95/15309 ✓	6/8/95	WO	C07D	207/16	



mm	BG	4334357	✓	11/20/92	JP	C07C	233/57	
	BH	WO 93/08259	✓	4/29/93	WO	C12N	3/10/2900	
	BI	WO 95/11689	✓	5/4/95	WO	A61K	31/435	
	BJ	WO 97/45117	✓	12/4/97	WO	A61K	39/395	
	BK	DE 19/616486	✓	10/30/97	DE	A61K	031/67	
	BL	WO 95/29691	✓	11/09/95	WO	A61K	5	
	BM	WO 98/22494	✓	5/28/98	WO	C07K	005/00	
mm	BN	PCT 00/01849	✓	7/20/00	PCT	A61K	31/155	

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mm	CA	Campbell, I.W. "New antidiabetic drugs, Sulphonylureas and metformin: efficacy and inadequacy". 3:33-51 (1990). SMITH-GORDON, NISHIMURA; "Sulphonylureas and Metformin: Efficacy and Inadequacy." 9/7/01, Page 36	✓
	CB	Mercla Index, 11 <sup>th</sup> Edition, Page 934	✓
	CC	Martindale the Extra, Pharmacopeia, Page 1619	✓
	CD	CHEMICAL ABSTRACTS, vol. 115. No. 15, 14. October 1991 (1991-10-14) Columbus, Ohio, US; abstract no. 149947q, SCHOEN EKKEHARD ET AL: "Dipeptidyl peptidase IV in the immune system. Effects of specific enzyme inhibitors on activity of dipeptidyl peptidase IV and proliferation of human lymphocytes" Suite 37; XP002114197 Zusammenfassung & BIOL. CHEM. HOPPE-SEYLER, Bd. 372, Nr. 5, 1991, Seiten 305-311,	✓
	CE	CHEMICAL ABSTRACTS, vol. 126, no. 2, 13. January 1997 (1997-01-13) Columbus, Ohio, US; abstract no. 16161j, STOECKEL A. ET AL: "Competitive inhibition of proline specific enzymes by amino acid thioxopyrrolidides and thiazolidides" Seite 241; XP002114198 Zusammenfassung & PEPT: CHEM., STRUCT.BIOL., PROC.AM.PEPT.SYMP., Nr. 14, 1995, Seiten 709-710,	✓
	CF	CHEMICAL ABSTRACTS, vol. 118, no. 25, 21. Juni 1993 (1993-06-21) Columbus, Ohio, US; abstract no. 255342k, Hosed, et al, "Preparation of N-(heterocyclic Carbonyl) Amen Acids and Analogs as Prolyl Endopeptidase Inhibitors". Seite 933; XP002114199 Zusammenfassung & JP 04 334357 A (FUJERE BIO INC) 20. November 1992 (1992-11-20)	✓
mm	CG	HEIHACHIRO ET AL: "Synthesis of prolyl endopeptidase inhibitors and evaluation of their structure-activity relationships : in vitro inhibition of prolyl endopeptidase from Caning Brain" CHEMICAL AND PHARMACEUTICAL BULLETIN., Bd. 41, Nr. 9,	✓



mm		1993, Seiten 1583-1588, XP002114196 PHARMACEUTICAL SOCIETY OF JAPAN. TOKYO., JP ISSN: 0009-2363 das ganze Dokument
	CH	J. Lin et al.: "Inhibition of depeptidyl peptidase IV by fluoroolefin-containing n-peptidyl-O-hydroxylamine peptidomimetics" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, Bd. 95, November 1998 (1998-11), Pages 14020-14024, XP002117450 WASHINGTON US Seite 14023, rechte Spalte, Absatz 1, linke Spalte, Absatz 1
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mm	CJ	TANKA, S., et al., "Suppression of arthritis by the inhibitors of dipeptidyl peptidase IV". Int. J. Immunopharmacol". 19, 15 (1997), Vol 19 No. 1 Pages 15-24, 1997
mm	CK	MENTLEIN, R., DAHMS, P., GRANDT, D., KRUGER, R., "Proteolytic processing of neuropeptide Y and peptide YY by dipeptidyl peptidase IV". Regul. Pept. 49, 133 - 144(1993)
	CL	WETZL, W., WAGNER, T., VOGEL, D., DEMUTH, H.-U., BALSCHUN, D., "Effects of the CLIP fragment ACTH 20-24 on the duration of REM sleep episodes". Neuropeptides, 31, 41- 45 (1997)
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	CP	GOSSRAU, R.; "Cytochemistry of Membrane Proteases". Histochem J, 1985, July; 17 (7) :737-71, 1 Page..
	CQ	HAHN, T.; GRAF, R.; ONEY, T.; "Enzyme Histochemical Evidence for the Presence of Potential Blood Pressure Regulating Proteases in Cultured Villous Explants from Human First Trimester Placentae". Acta Histochem 1993, December, 1995 (2):185-92.
	CR	HEYMANN, E.; MENTLEIN, R.; "Has Dipeptidyl Peptidase IV an Effect on Blood Pressure and Coagulation". Klin Wochenschr, 1984, January, 2;62 (1) :2-10.
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	CV	Index Nominum, International Drug Directory 1992/1993, Medpharm Scientific Publishers, Pages 728-729.
mb	CW	The Merck Index, 9 <sup>th</sup> Edition, 1976, Page 773
Examiner: mbm		Date: 04/09/04

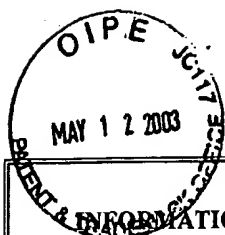
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				APPLICANT(S): Pospisilik et al. et al.			
				FILING DATE: August 17, 2001	ART UNIT: 1631		
<b>UNITED STATES PATENT DOCUMENTS</b>							
EXAM. INITIAL		DOCUMENT NUMBER	DATE	INVENTOR	CLASS	SUB CLASS	FIL. DATE IF APPR
ms	AA	6,011,155	01/04/2000	Villhauer	544	333	
	AB	6,107,317	08/22/2000	Villhauer	514	365	
	AC	6,110,949	08/29/2000	Villhauer	514	365	
	AD	6,124,305	09/26/2000	Villhauer	514	272	
	AE	6,172,081	01/09/2001	Damon	514	307	
	AF	5,705,483	01/06/1998	Galloway et al.	514	12	
	AG	2001/0025023 A1	09/27/2001	Carr	514	2	
ms	AH	6,548,481 B1	04/15/2003	Demuth et al.	514	19	11/28/00
<b>OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</b>							
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	CC	Lader, Malcolm H., MD, "Assessment Methods and the Different Diagnosis of Anxiety", <i>Journal of Clinical Psychopharmacology</i> , (1981), Vol. 1, No. 6, pp. 342-349.					
	CD	Winslow, R., "Novartis Drug Alters Picture for Diabetes" <i>Wall Street Journal</i> , Wed., December 27, 2000, p. B2.					
	CE	Ansorge, S., et al., "Membrane-bound peptidases of lymphocytes: Functional implications", <i>Biomed. Biochim. Acta</i> 50 (1991) 4-6, pp. 799-807.					
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	CG	Demuth, Hans-Ulrich, "Recent Developments in Inhibiting Cysteine and Serine Proteases", <i>J. Enzyme Inhibition</i> , 1990, Vol. 3, pp. 249-278.					
	CH	Gomez, S., et al., "Relationship between endo- and exopeptidases in a processing enzyme system: Activation of an endoprotease by the aminopeptidase B-like activity in somatostatin-28 convertase", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 85 pp. 5468-5472, August 1988.					
ms	CI	Hegen, M., et al., "The T Cell Triggering Molecule Tp103 is Associated with Dipeptidyl Aminopeptidase IV Activity," <i>The Journal of Immunology</i> , vol. 144, pp. 2908-2914, No. 8, April 15, 1990.					
Examiner: <i>ms</i>				Date: <i>09/09/04</i>			



<b>FORM PTO-1449</b> <b>INFORMATION DISCLOSURE STATEMENT</b>		<b>ATTY. DOCKET NO.</b> 20488/25-CIP	<b>SERIAL NO.</b> 09/932,546
		<b>APPLICANT(S):</b> Pospisilik et al.	
		<b>FILING DATE:</b> August 17, 2001	<b>ART UNIT:</b> 1631
<b>OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)</b>			
MM	CJ	Ishiura, S., et al., "Identification of a putative amyloid A4-generating enzyme as a prolyl endopeptidase," <i>Federation of European Biochemical Societies</i> , Vol. 260, No. 1, pp. 131-134, January 1990.	
	CK	Kräusslich, Hans-Georg, et al., "Viral Proteinases", <i>Ann. Rev. Biochem.</i> 1988, 57 pp. 701-754.	
	CL	Pederson, R.A., et al., "Improved Glucose Tolerance in Zucker Fatty Rats by Oral Administration of the Dipeptidyl Peptidase IV Inhibitor Isoleucine Thiazolidide", <i>Diabetes</i> , Vol. 47, August 1998 pp. 1253-1258.	
	CM	Vanhoof, G., et al., "Proline motifs in peptides and their biological processing", <i>The FASEB Journal</i> , Vol. 9, June 1995, pp. 736-744.	
	CN	Walter, R., et al., "Proline Specific Endo- and Exopeptidases", <i>Molecular &amp; Cellular Biochemistry</i> , Vol. 30, No. 2, April 18, 1980, pp. 111-127	
	CO	Kessler, Von Horst, "Konformation und biologische Wirkung von cyclischen Peptiden", <i>Angew. Chem.</i> 94 (1982) pp. 509-520.	
	CP	Kirschke, H. et al., "Proteinases 1: Lysosomal Cysteine Proteinases" <i>Protein Profile</i> , Vol. 2, Issue 14, 1995, pp. 1583-1634.	
	CQ	Yaron, A., et al., "Proline-Dependent Structural and Biological Properties of Peptides and Proteins" <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 28(1), pp. 31-81 (1993).	
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	CS	Holst, J. et al., "Inhibition of the Activity of Dipeptidyl-Peptidase IV as a Treatment for Type 2 Diabetes", <i>Diabetes</i> , 47, 11, Health & Medical Complete pp. 1663-1670, Nov. 1998.	
MM	CT	Augustyns et al., "Pyrrolidides: Synthesis and Structure-Activity Relationship as Inhibitors of Dipeptidyl Peptidase IV", <i>Eur. J. Med. Chem</i> (1997), vol. 32, pages 301-309.	
<b>Examiner:</b> <i>Urb</i>		<b>Date:</b> <i>02/09/04</i>	



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EXAM. INITIAL		DOCUMENT NUMBER	DATE	INVENTOR	CLASS	SUB CLASS	FIL. DATE IF APPR
MM	AA	2,961,377	11/22/1960	Shapiro et al.	167	65	
	AB	3,174,901	03/23/1965	Sterne	167	65	
	AC	3,879,541	04/22/1975	Kabbe et al.	424	326	
	AD	3,960,949	06/01/1976	Ahrens et al.	260	564 B	
	AE	4,028,402	06/07/1977	Fischer et al.	260	501.14	
	AF	4,935,493	06/19/1990	Bachovchin et al.	530	331	
	AG	5,433,955	07/18/1995	Bredehorst et al.	424	94.3	
	AH	5,462,928	10/31/1995	Bachovchin et al.	514	19	
	AI	5,512,549	04/30/1996	Chen et al.	514	12	
	AJ	5,543,396	08/06/1996	Powers et al.	514	19	
	AK	5,614,379	03/25/1997	MacKellar	435	68.1	
	AL	5,624,894	04/29/1997	Bodor	514	2	
	AM	5,939,560	08/17/1999	Jenkins et al.	548	535	
	AN	6,006,753	12/28/1999	Efendic	128	898	
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	AP	6,201,132 B1	03/13/2001	Jenkins et al.	548	535	04/21/99
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	AR	6,500,804 B2	12/31/2002	Demuth et al.	514	19	12/31/02
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MM	BA	WO 01/62266 A2	08/30/2001	PCT	A61K	38/00	Y
MM	BB	WO 00/53171	09/14/2000	PCT	A61K	31/155	Y

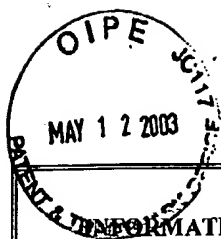
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mm	BC	DT 25 42 598 A1	04/22/1976	Germany	C07C	129/16	N
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	BE	FR 2 085 665	12/31/1971	France	A61K	27/00	N
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	BT	EP 0 995 440 A1	04/26/2000	EPO	A61K	31/425	N
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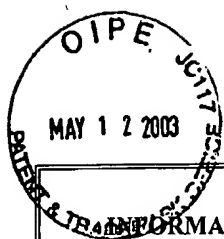
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	BAD	WO 01/34594 A1	05/17/2001	PCT	C07D	401/06	Y
	BAE	WO 00/10549	03/02/2000	PCT	A61K	31/00	Y
	BAF	WO 01/74299 A2	10/11/2001	PCT	A61K		Y
	BAG	WO 02/20825 A1	03/14/2002	PCT	C12Q	1/00	Y
	BAH	WO 01/89569 A1	11/29/2001	PCT	A61K	45/06	Y
	BAI	WO 99/62914	12/09/1999	PCT	C07F	5/02	Y
	BAJ	WO 99/61431	12/02/1999	PCT	C07D	277/04	Abstract Only-
	BAK	EP 1 130 022 A1	09/15/2001	EPO	C07D	498/09	Y
	BAL	WO 01/32624 A1	05/10/2001	PCT	C07D	217/04	Y
	BAM	WO 01/09169 A2	02/08/2001	PCT	C07K	5/062	Y
<i>mm</i>	BAN	WO 01/94310 A1	12/13/2001	PCT	C07D	209/12	Y

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<i>mm</i>	CA	Campbell, I.W. <u>New Antidiabetic Drugs</u> , ed. C.J. Bailey & P.R. Flatt, Smith-Gordon, "Sulphonylureas and metformin: efficacy and inadequacy". 3:33-51 (1990).
	CB	CHEMICAL ABSTRACTS, vol. 115, No. 15, 14. October 1991 (1991-10-14) Columbus, Ohio, US; abstract no. 149947q, SCHOEN EKKEHARD ET AL: "Dipeptidyl peptidase IV in the immune system. Effects of specific enzyme inhibitors on activity of dipeptidyl peptidase IV and proliferation of human lymphocytes"
	CC	CHEMICAL ABSTRACTS, vol. 118, no. 25, 21. June 1993 (1993-06-21) Columbus, Ohio, US; abstract no. 255342k, Hosoda, et al, "Preparation of N-(heterocyclic Carbonyl) Amino Acids and Analogs as Prolyl Endopeptidase Inhibitors", November 1992 (1992-11-20)
	CD	CHEMICAL ABSTRACTS, vol. 126, no. 2, 13. January 1997 (1997-01-13) Columbus, Ohio, US; abstract no. 16161j, STOECKEL A. ET AL: "Competitive inhibition of proline specific enzymes by amino acid thioxopyrrolidides and thiazolidides".
<i>mm</i>	CE	Martindale The Extra Pharmacopoeia, 30 <sup>th</sup> Edition, London Pharmaceutical Press, 1993, Page 1619.

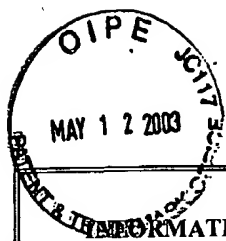
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mm	CF.	AMASHEH, S., et al., "Electrophysiological analysis of the function of the mammalian renal peptide transporter expressed in <i>Xenopus Laevis</i> oocytes". <u>J. Physiol.</u> 504, 169-174 (1997)	
	CG	Arai ET AL., "Synthesis of prolyl endopeptidase inhibitors and evaluation of their structure-activity relationships : in vitro inhibition of prolyl endopeptidase from Canine Brain" <u>CHEMICAL AND PHARMACEUTICAL BULLETIN.</u> , Bd. 41, No. 9, 1993, pages. 1583-1588.	
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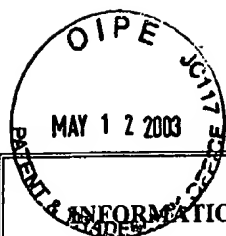


<b>FORM PTO-1449</b> <b>INFORMATION DISCLOSURE STATEMENT</b>		<b>ATTY. DOCKET NO.</b> 20488/25-CIP	<b>SERIAL NO.</b> 09/932,546
		<b>APPLICANT(S):</b> Pospisilik et al.	
		<b>FILING DATE:</b> August 17, 2001	<b>ART UNIT:</b> 1631
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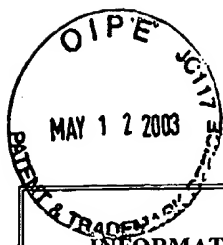


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ms	CBK	Mentlein et al., <u>Eur. J. Biochem</u> , Dipeptidyl-Peptidase IV Hydrolyses Gastric Inhibitory Polypeptide, Glucagon-Like Peptide-1(7-36)Amide, Peptide Histidine Methionine and is Responsible for Their Degradation in Human Serum. (1993), 214, pages 829-835.	
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